Project Name: LBV
Project Code: LBV **Site ID:** B116 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 14/05/49
Map Ref.: Sheet No. : 9050 1:100000
Northing/Long.: 150.666666666667
Easting/Lat.: -23.6666666666667
Locality:
Elevation: 40 metres
Rainfall: 810
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 1 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 3.5 %
Pattern Type: Low hills
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:
Epicalcareous Epipedal Grey Vertosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: Ug5.16
Great Soil Group: Black earth

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Tree, 3.01-6m, Closed or dense. *Species includes - Acacia harpophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.25 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; Gradual change to -
B2	0.3 - 0.61 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
B2	0.61 - 0.91 m	Brown (10YR5/3-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Igneous rock (unidentified), coarse fragments; Few (2 - 10 %), Manganiferous, , Concretions; Few (2 - 10 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.25	7.5H	0.05B	33.5K	8.04	0.62	0.12				
0.3 - 0.61	8.6H									
0.61 - 0.91	8.6H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.25	0.04C	0.34E	78C	0.071F	0.34B			6	3C	17	19	48
0.3 - 0.61	8.77C							2	2C	13	21	54
0.61 - 0.91	8.95C											

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.25									
0.3 - 0.61									
0.61 - 0.91									

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded